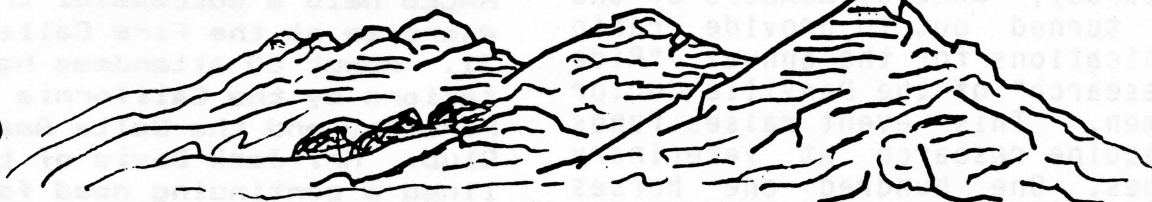


# the CARRIER



W6CX

## the MOUNT DIABLO AMATEUR RADIO CLUB

MDARC FIELD DAY. CALL W6CX-REPEATERS ON: 147.06/223.74/441.325 MEM CALL W6LGH  
VOLUME XXXV JULY 1987 ISSUE No.7

### JULY 1987 CALENDAR

Friday July 17th, the MDARC at the Grace Presbyterian Church on Tice Valley Road, across from Rossmoor. Meeting time 8:00 PM.

Saturday July 18th, Boy Scouts, "On Target" mountain top signalling. Call Roy, N6BJN at (415) 937-7445 for more information.

Wednesday, July 22nd, RRRG repeater group meeting at the usual place, talk in frequencies W6CX repeaters. Steering committee meeting at 7:00 PM, regular meeting at 8:00 PM.

### MDARC DIRECTORIES

MDARC members are reminded that the 1987 Membership Directory is still available, and may be picked up at the July meeting, or send a written request to George Jones, KB6QDT, 325 Glen Arms Drive Danville, CA. 94526. Enclose a self addressed stamped envelope with .56 cents postage, or send one dollar, and George will furnish the 9X12 envelope for you.

Your editor for this issue is Don Smith, W6NKF, 1608 Rolling Hill Way, Martinez, CA. 94553 Send your items for the news letter directly to the above address. Deadline for items is two weeks prior to the MDARC meeting. No exceptions!

### ATV REPEATER RETURNS TO MT. DIABLO!

After months of rebuilding, the Contra Costa ATV repeater returned to service over the field day weekend. Pictures were received as faraway as Sacramento, and locally by KD6DY, WB6TEE and several other hams who's names were lost in the excitement of the moment.

Those assaulting the heights of Diablo were Mike, N6GOZ, Keith, N6PMF, Chuck, WA6SYE, and Don, W6NKF. A desense problem in the pre-amp with the power amp on resulted in the repeater operating at low power, 10 watts, until the July 4th. weekend when a second attack resolved most of the problems. On Monday, July 13th., Jim, N6HOS accessed the repeater from Sacramento with a varactor tripler for the first out of the area input to the repeater! Congratulations Jim!

Plans are now to relocate the 1200 receive antenna at the top of the tower with the pre-amp in order to extend the range and sensitivity of the input to the system. Current operating frequencies are: input 1264 MHZ AM Vertical polarization, and the output is 426.25 MHZ AM, Vert. pol. (The 1200 ICOM rig with the TV adapter works great!) See you on TV.. TV net meets Thurs evenings at 8:00 PM on 147.060.

## Emergency Communications Activities

### RIDE FOR RESEARCH

On Saturday, June 6, members of the MDARC turned out to provide radio communications for the annual "Ride for Research" of the Danville Junior Horsemen. This event raises funds for equine research at veterinary colleges. One hundred one horses entered the ride which runs from Danville to the top of Mt. Diablo and return.

George Jones KB6QDT at the ride base camp maintained contact with operators at check points and vet stops along the route. Jim Sheley KA6DXY turned out early (along with George) to log in from the first check point before 7 am. Joe WA6DQN was with the vets checking horses on both upward and return legs at Barbecue Terrace. Jim House KA6IVF battled with RFI on the summit parking lot while watching riders finish the climb. Jess Mosher KI6TB (a brand new call - ex WD6DHW) reported from the lunch stop at Juniper Camp.

It was warm but pleasant, a light breeze at the higher points on the mountain. Only one horse had to be pulled. Ride coordination required considerable consultation between officials at the various checkpoints, so our presence was appreciated by the ride managers. A fine time was had by all.

Joe WA6DQN

Jim Perry, AA6CK - Assistant EC

RACES held a successful training exercise at the Fire College on May 31. About 50 attendees heard presentations by the California Division of Forestry and the Delta Amateur Radio Club. Mr. Jack Davis of the CDF outlined a continuing need for RACES, and the upcoming July 4th weekend fire patrols. The Delta Club gave a detailed presentation on personnel management, which included a surprise "parking lot S.E.T." staffed by the attendees.

County ECs are still distributing OES I.D. cards and Sheriff's Department shoulder patches. The attractive patch graphics were designed by Glenn, N6JRK. Note that the Sheriff's Dept. I.D. cards will be mailed out, if your EC has taken your thumb print.

KA6IVF is still looking for amateurs in the Martinez area to operate the new RACES station, soon to be set up at the County OES office on Arnold Way. Leave Jim a message at 372-0345, or via the W6CPD-1 packet mailbox.

The Sheriff's uniformed group completed CPR training and certification. Their next meeting is on July 15, at 7:30 p.m. in the Sheriff's building, Martinez.

The June MDARC meeting featured live and video taped packet radio presentations from RACES, plus highlights on disaster communications. Thanks to KA6IVF for the video, W6CPD for the portable packet radio demo, and N6DRT for the CDF overview.

For more information about ARES/RACES activities, all amateurs are invited to check into the Thursday evening nets listed on the front page.

Next Month: Plans for packet radio in local emergency communications, and more timely information about upcoming activities.

PACIFICON '87  
1987 PACIFIC DIVISION  
CONVENTION

Most of the plans for the 1987 Pacific Division Convention have been finalized. The event will take place at the Le Baron Hotel, 1350 N. First Street, San Jose, California, on the weekend of October 2, 3 and 4, 1987.

The program begins on Friday night with the ARES Forum. Santa Clara Valley SEC Susan Tracy, WA6OCV, will moderate a program dealing with the 'Use of Packet for Emergencies,' a discussion of the FINDER program (see article about FINDER in this newsletter), a proposal for a 'Certified Radio Operator' and a discussion on the California State Training Institute in Santa Barbara. After the ARES Forum there will be a no-host cocktail party.

An 'Eye Ball QSO Contest' will run all day on Saturday. The winner of the contest will be the ham with the most 'contacts' on his or her contest sheet. A contact will be the name, call sign and initials of another ham operator registered for the convention. There will be a really nice prize for the winner of the contest. Rules and contest sheets will be available at the convention.

Speaking of contests, a 1.2 GHz repeater will be given to the amateur radio club with the most members registered at the convention.

The Exhibitor's Room will be open on Saturday from 9 to 5 and on Sunday from 9 to 1. An opportunity for a bargain or two (or more).

Saturday's programs and sessions include:

- \*\* 'Angle of Radiation' by K6RQ
- \*\* a YL Forum sponsored and conducted by BAYLARK
- \*\* DX Forum conducted by K6SSJ, the Pacific Division DX Advisory Committee member
- \*\* 'Repeaters for Beginners' session by WB6KHP
- \*\* 'Low Band Antennas' by NJ2L, a member of the ARRL Technical staff discussing antennas for 160, 80 and 40 meters
- \*\* Instructor Forum given by longtime amateur radio instructor WA6KZV
- \*\* 'Silicon Visions' is a look into the future of the computer and the electronics industry by writer KB6LRJ
- \*\* CW Copying Contest conducted by W6ZRJ and W6VZT (who will be the convention champ?)
- \*\* RTTY Session by WA6AHF and W6MKM will explore conventional RTTY and the computerized version of RTTY
- \*\* QSL Cards (or now that you worked 'em, how to get that card) by K6HHD
- \*\* 'Propagation Forecasting' by NS6N
- \*\* 'Club Incorporation Session,' a panel of three lawyers including NX60 will talk about club and member liability, how to incorporate and how to obtain tax exempt status
- \*\* 'Antenna Legal Forum' by N3AKD, the lawyer for the ARRL
- \*\* AMSAT/OSCAR Session by WB6GFJ
- \*\* ATV Forum by KE6DN and K6AEP will cover Slow Scan and Fast Scan amateur television
- \*\* ARES Forum II will discuss the Incident Command System and Emergency Strike Teams

(Cont next Page)

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NEWSLETTER EDITOR NEEDED

We still need an editor for the newsletter, as I only volunteered to get out one or two issues to tide the club over. I am very busy with work and other projects, and really don't have the time to devote to a quality type newsletter, such as this should be. Please give consideration to trying your hand at being the editor... It's fun if you have some spare time, and always wanted to be a newspaperman at heart... Even one of you ladies could do the job, it's not complicated..

Don, W6NKF



7:30 with the banquet at 7:30. It is anticipated that the new ARRL film, 'The New World of Amateur Radio' will be completed by mid-September and that Pacificon '87 will be the premier west coast showing. A Wouff Hong will be held at midnight for those ARRL members who have not been inducted into the 'Royal Order.'

Sundays session include:

- \*\* 'RFI/TVI Legal Forum' by N3AKD, the ARRL counsel
- \*\* 'PVC Pipe-The Homebrewer's Dream' by NM6J (10, 15 & 20 meter antennas)
- \*\* Beginners Contest Forum
- \*\* 'Fun with Facsimile' by KB6LO
- \*\* 'Test Equipment in the Shack' will discuss how to use test gear to enhance your equipment performance
- \*\* 'Information Services Available by Computer' by W3VS
- \*\* 'TVI/RFI Technical Session' by NJ2L of the ARRL Technical Staff
- \*\* 'HF Operation for Beginners' by WB6WKM
- \*\* FCC Forum by an FCC staff member

#### the ARRL Forum

Novice and upgrade examinations will be given at the convention. As the conventions gets closer, check the test schedule on the ARRL/VEC Hotline (408) 984-8353. That number is a 24 hour-a-day information source on ARRL/VEC test sessions with the Pacific Division

There are going to be a number of activities available for non-ham spouses during the convention. The spouse program details will be available at a later date.

A special room rate is available at the Le Baron hotel. The rate per night is \$48.00 plus tax for either 1 or 2 persons. Be sure that when you call the Hotel, (408) 288-9200 or (800) 662-9896, ask for the special Pacificon '87 room rate.

Come join us in San Jose in October and see some of your friends that you talk with on the air. A convention registration form is below.

#### \*\*\*\*\* STANFORD LINEAR ACCELERATOR CENTER TOUR \*\*\*\*\*

Repeated by request of some who missed it last year. You will be bussed to the Stanford Campus area where you will view a movie on the accelerator; you will hear a lecture by a staff member; and you will tour the machine. On the machine tour you will see klystrons generating microwave at about 3 GHz at power levels of 50 kW or more; you will see electromagnets weighing tons; you will see the latest in computer control; and you will be given a closeup view of the modern tools for exploring the atom. Your tour will be overseen by the linear accelerator ham club. Bus will leave the Le Baron at 0900 on October 2. We recommend that out of town hams stay at the hotel on Thursday night at the convention rate.

HOTEL REGISTRATION: - ASK FOR SPECIAL "PACIFICON '87" RATE  
LE BARON HOTEL, 1350 N. FIRST ST., SAN JOSE, CA 95112  
PER NIGHT (SINGLE OR DOUBLE OCCUPANCY): \$48.00 PLUS 8% TAX  
SPECIAL RATE GOOD THURSDAY, FRIDAY, SATURDAY, AND SUNDAY NIGHTS  
CALL HOTEL DIRECTLY - (800) 662-9896 (FREE) OR (408) 288-9200  
FOR CONVENTION INFORMATION - CALL (408) 243-8349

PACIFICON '87" PRE-REGISTRATION ORDER FORM OCTOBER 2, 3, 4, 1987

MAIL THIS FORM TO: "PACIFICON '87", 481 FENLEY AVE., SAN JOSE, CA 95117

YOUR TICKETS WILL BE AT REGISTRATION IN YOUR NAME - NO-SHOWS PARTICIPATE IN ALL MAJOR AWARD DRAWINGS.

NAME: \_\_\_\_\_ CALL \_\_\_\_\_

ADDR: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

OTHER CALL(S)/NAME(S) \_\_\_\_\_

EA 18 YEARS AND YOUNGER FREE - NO AWARD CHANCES - NAME/CALL:

EA PRE-REGISTRATIONS \$12.00 EA (AFTER 9/27 \$15.00 EA).....\$ .00

PRE-REG AWARD CHANCES: 3 UNTIL 8/1; 2 UNTIL 9/1; 1 UNTIL 9/27 - NO REFUNDS AFTER 9/27.

EA BANQUET TICKETS \$20.00 EACH (ATTENDANCE LIMIT 250).....\$ .00

EA STANFORD LINEAR ACCELERATOR TOUR BUS FARE \$8.00 EACH...\$ .00

BUS TRIP WILL BE CANCELLED WITH REFUND IF SIGNUP LESS THAN 28

PHONE: ( ) \_\_\_\_\_ TOTAL ENCLOSED:.\$ .00



MDARC BOARD MEETING MINUTES

June 24, 1987 - 8:00 p.m.

Dick Schulze Home

ATTENDEES:

President Scott Miles, WB6PQM (Absent)  
Vice President Richard Brown, KT6X  
Secretary Jane Walker, N6NVA  
Treasurer Richard Schulze, KB6MAF  
Board Member Jay Caldis, KT6Y  
Board Member Jim House, KA6IVF

Members Present:

E.C. - Jim Perry, AA6CK  
Membership - Dr. George Jones, KB6QDT  
George Roush, WB6OFH

Vice President, Dick Brown, called the meeting to order.

The Board approved the minutes.

Treasurer Schulze said the club has \$3,247.64.

Dr. George Jones gave an up-date on the club membership; we have 220 members. If you need your call sign, address, etc. changed, let Dr. Jones know so he can put it in the directory.

Jay, KT6Y reported on the Rocky Ridge Repeater - the 220 is down, controller is fixed, be up real soon.

Don Smith, W6NKF will be asked to do the Carrier.

The Awards Committee consists of: Chairman Jim House, KA6IVF, Mike Whitten, KB6FHC, Paul Jones, N6PAC, John Percival, WI60, Don Petty.

Field Day: Dick, KT6X wanted to know if the money for Field Day was taken care of. Jay, KT6Y, presented a motion Lauren WA6CIE get additional \$25.00 for gas and expenses; Jim KA6IVF seconded the motion. Then a second \$25.00 for the State Park entrance costs. Jim House made the motion, Jay Caldis seconded. Field Day has 15 for over-night.

Picnic: The Club is furnishing the soda, So N6NVA presented a motion to give George WB6OFH \$50.00 for soda, Jay KT6Y seconded the motion.

All of the Board felt Carson K6TI should receive a Thank You letter for all his words and efforts in making the Carrier such a fine paper.

Programs: We'll try to keep them under an hour.

New Business: If you would like to be on the Nominating Committee, let one of the Board Members know.

E.C. - Jim Perry AA6CK would like to have a monthly column in the Carrier for the latest news and events.

Treasurer Schulze did the tax report.

The motion was made and seconded to adjourn the meeting.

The next Board meeting is scheduled for Thursday, July 23, 1987.

MDARC REGULAR MEETING

The meeting was called to order by President Scott Miles; he had visitors and upgrades introduce themselves.

Treasurer, Dick Schulze stated the Club has \$3,247.64 minus \$2.50.

Our new Emergency Coordinator was introduced as Jim Perry, AA6CK.

Several more people are needed for the Awards Committee.

Carson resigned as the Editor of the Carrier; the club members felt that he had done a fantastic job. He returned the Carrier material, and he also still has magnetic signs for sale.

Carson will get the HT21BT hand held from HRO for the 40th Anniv. Picnic.

George Jones informed us we have 213 members. He brought the MDARC Name Directory for 1987. Lots of work and well done. Thank you!

Lauren Styles told of the door prizes, speaker was the Grand Prize. Donuts didn't come so we had coffee and cookies. Sign up with Lauren for Field Day.

Education: Jay said the classes are over and he thanked the fellows who helped. Whether we have a class next Fall depends on whether he is in the area. If not, someone else will have to head the classes.

Jay, KT6Y told of the International Parade in Concord, Sunday, July 5th; see him if you want to work.

The repeater has been down, controller problems take two weeks to get back in working order linking 220 with 450 when it comes back.

14706 Jay says net every Thursday night.

July 12th is our 40th Anniversary Picnic - only 20 sign-ups at this time.

Club Board meeting is Wednesday, June 24 at the Dick Schulze home.

For our program, Lauren Styles spoke to the group on Field Day.

Dick Brown introduced Jim House for a Packet Show on T.V.; Carson, K6TI was able to get the film for us.

Jim, KA6IVP said the fire watch July 3-4-5 are five hour shifts and 218 Hams or more are needed.

A fire movie was then viewed.

Dave Tyler talked about the CDF and helping out on fires. Everyone enjoyed the Shake and Bake Foil Tent he told us about and Jim House demonstrated.

Respectfully submitted,

Jane Walker, N6NVA  
Club Secretary

# MDARC MEMBERSHIP DIRECTORY UPDATE

Mount Diablo Amateur Radio Club welcomes the following new members who have joined since the Directory was published as of 3-31-87:

APPLEGATE, James H.; KA6YUM, Novice  
600 Center Ave. #111, Martinez, CA 94553  
BOHOL, Samuel, Sr.; KH6BTU, General  
2206 Yukon St., Concord, CA 94520 (415)-798-7573  
BOWMAN, Robert; SWL  
1395 Eastman Lane, Petaluma, CA 94952  
BRAUN, Beverly J.; KH6IPQ, General  
2206 Yukon St., Concord, CA 94520 (415)-798-7573  
BUTTINE, Christopher W. (Chris); KF6WZ, Advanced  
1665 Geary Rd., Walnut Creek, CA 94596 (415)-933-0334  
COYNE, Brian D.; KB6QPN, Novice  
763 Stater Ave., Pleasant Hill, CA 94523 (415)-938-9070  
EWINS, John H.; KB6FOL, Technician  
348 Del Amigo Rd., Danville, CA 94526 (415)-820-3136  
FERREIRA, Doug; KB6SKT, General  
1651 Via Chorro, San Lorenzo, CA 94580 (415)-276-9315  
FRANCK, Jack; W6NHE, Advanced  
247 Bliss Ct., Walnut Creek, CA 94598 (415)-939-9241  
KOROTKIN, Michael I.; WA2AEO, General  
1980 Sacramento St., San Francisco, CA 94109  
MALONEY, Michael N.; KB6HLJ, General  
1886 San Vincente Dr., Concord, CA 94519  
MC CAMPBELL, Gordon; call pending, Technician  
3417 Tice Creek Dr. #7, Walnut Creek, CA 94595 (415)-930-8837  
NELSON, Stephen D. (Ted); KB6SJA, Technician  
553 Silverado Circle, Suisun, CA 94585 (707)-864-2011  
RHODES, K.S. (Dusty); KB6SQQ, General  
330 Pickering Pl., Walnut Creek, CA 94598  
SANTEE, Jim; KI4IQ, Advanced  
3109 Meadowbrook Dr., Concord, CA 94519 (415)-671-8047  
SANTEE, Margaret; NH6BQ, Technician  
3109 Meadowbrook Dr., Concord, CA 94519 (415)-671-8047  
SIWECKI, Thomas L.; KB6QQN, Novice  
2200 Hidden Oak, Danville, CA 94526 (415)-820-9051

The following prior members have renewed their memberships and need to be added to the Membership Directory:

ARMENTA, Matt; KB6QEY, Technician  
185 San Juan Ct., Vacaville, CA 95688 (707)-447-2846  
BERTRAND, Don; N6EEQ, Advanced  
3515 Honeysuckle, Concord, CA 94518 (415)-685-3551  
KAPPESSER, Roy M.; KA6LBX, Technician  
1830 Taft St., Concord, CA 94521 (415)-686-6948  
NIELSEN, Alan E.; WA6AGA, General  
2940 Lane Dr., Concord, CA 94518-2106 (415)-930-5550  
POMPLUN, Donald R.; K2BIO, Advanced  
521 Van Buren Pl., San Ramon, CA 94583 (415)-829-7469  
REED, Richard B.; KA6ECK, General  
1199 Blue Lake Way, Concord, CA 94521 (415)-672-2471  
WASLEY James C.; KA6IZK, General  
6 Orinda Way, Orinda, CA 94563 (415)-254-3073



Please note the following address and phone number changes:

BRADSHAW, Mary C.: 21 Altamount Dr., Orinda, CA 94563  
CATALFAMO, Vincenzo: 78 Cloverleaf Circle, Brentwood, CA 94513  
(415)-634-0439  
HAZZELL, M. W.: 20 Irwin Way, Orinda, CA 94563  
PETERSON, Norman S.: 2248 Faun Circle, Henderson, NV 89015  
SMITH, Joe F.: P.O. Box 5333, Walnut Creek, CA 94596  
VINCENT, Gabriel M.: Apt. 119, 1460 Contra Costa Blvd., Pleasant  
Hill, CA 94523  
WHITTEN, Michael: 2128 Apricot Ct., Pittsburg, CA 94565  
(415)-439-7236

MDARC congratulates the following on their upgrade(s) and/or new call:

BATES, John F.: Technician  
CATALFAMO, Vincenzo: General  
EBBETT, Walter W., Jr.: Technician  
JONES, George P.: Technician  
MC GLATHERY, Shirley: Novice, KB6QDX  
MEACHAM, Alan: General  
MOSHER, Jess M. B.: Advanced, KI6TB  
OBAL, John: Advanced  
PARKER, Raymond E.: Advanced  
PERRY, James F.: Extra, AA6CK  
SCHULZE, Richard M.: Extra, KI6SL  
YOUNG, Fletcher: KI6RP

Note the following changes in the MDARC 1987 Officers:

Emergency Coordinator: Jim Perry, AA6CK; 680-7676(H), 944-7223(W)  
Carrier Editor: Don Smith, W6NFK; 372-8777  
Awards: Jim House, KA6IVF; 372-0345

If you are not on any of these lists and should be, please let the membership chairman know: George Jones, KB6QDT; 325 Glen Arms Dr., Danville, CA 94526 or the club P.O. Box 23222, Pleasant Hill, CA 94523

# HAM RADIO OUTLET

**999 HOWARD AVE, BURLINGAME, CA. 94010  
(415) 342-5757**

**2210 LIVINGSTON, OAKLAND, CA. 94606  
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**US TOWER MA-550 TUBULAR CRANKUP\$899.95**

**ICOM IC-3200 DUALBANDER.....\$519.95**

**ICOM IC-U2AT MINI HT.....\$296.95**

**KENWOOD TS-440S/AT.....\$1,019.95**

**KENWOOD TS-940S/AT.....\$1,899.95**

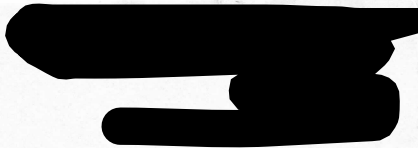
**PURCHASE A KENWOOD TH21/31/41/215 AND GET A  
FREE BATTERY PACK!! LIMITED QUANTITIES!**

**YAESU FT-757GX.....\$849.95**

**YAESU FT-209RH.....\$319.95**

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P.O. Box 20222  
Pleasant Hill, Calif. 94523  
Affiliated with the ARRL  
Affiliated with the American Red Cross

The CARRIER

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1839 East St. (across from Sattlers

Concord, CA 94520 (415)685-7388

SISTER CLUB



DKWEE

Don't forget to renew your ARRL membership through the Club. Send us the card and money. We forward to the ARRL and get to keep \$2.00.